



On unstable modules over the Dickson algebras, the Singer functors R_s and the functors $Fixs$

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Résumé en anglais	The category $Ds-U$ of unstable modules over the Steenrod algebra equipped with a compatible module structure over the Dickson algebra Ds is studied at the prime 2, with applications to the Singer functor R_s , considered as a functor from unstable modules U to $Ds-U$. An explicit copresentation of R_sM is given using Lannes' T -functor when M is a reduced unstable module; applying Lannes' functor $Fixs$, this is used to show that R_s gives a fully-faithful embedding of U in $Ds-U$. In addition, the right adjoint \square_s to R_s is introduced and is related to the indecomposables functor and the functor $Fixs$.
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Liens

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[3] <http://dx.doi.org/10.2140/agt.2012.12.2451>

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